

WELL SCHEDULE
GEOLOGICAL SURVEY

U. S. DEPT. OF THE INTERIOR

WATER RESOURCES DIVISION

MASTER CARD

Record by: WTO Source of data: MSGs Date: 10/72 Map: Williamsburg
 State: MISS 28 County (or town): COVINGTON Sequential number: 1
 Latitude: 33° 15' 2" N Longitude: 089° 30' 3" W
 Lat-long accuracy: 270 T 79 R 15 Sec 33 SW t, SW t, NE t
 Local well number: K035CA3307N15W Other number: Well #2
 Local use: 184062 Owner or name: Southwest Covington Co.
 Owner or name: SW COVINGTON Address: _____
 Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N
 Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) Ind, (K) P S, (L) Rec, (M) Stock, (N) Instit, (O) Unused, (P) Repressure, (Q) Recharge, (R) Desal-P S, (S) Desal-other, (T) Other WA P
 Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed. W
 DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.
 Hyd. lab. data: _____
 Qual. water data; type: _____
 Freq. sampling: Pumpage inventory: yes no, period: _____
 Aperture cards: _____ MOCN yes
 Log data: Elog 10'-800' 800-1600 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 964 ft Meas. rept accuracy 3
 Depth cased: Split ft 900 Casing type: _____; Diam. 8x6 in 8
 Finish: (C) porous concrete, (F) gravel w. concrete, (G) gravel w. (perf.), (H) horz. gallery, (I) open end, (J) perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other S
 Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (E) hyd jected, (F) air rot., (G) percussion, (H) rotary, (I) reverse, (J) trenching, (K) driven, (L) drive wash, (M) other H
 Date Drilled: 10-12-72 972 Pump intake setting: _____ ft _____
 Driller: GRINER address Columbia, Ms
 Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other T Deep Shallow
 Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) LP, (I) other 25 Trans. or meter no. _____
 Descrip. MP: 1" ell at 2.2' ft above LSD, Alt. MP _____
 Alt. LSD: 373 Accuracy: topo 4
 Water Level: _____ ft above MP; _____ ft below LSD Accuracy: _____ D
 Date mea.: 473 Yield: _____ gpm 200 Method determined _____
 Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs _____
 QUALITY OF WATER DATA: Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm Hard. _____ ppm
 Sp. Conduct _____ K x 10 _____ Temp. _____ °F Date sampled _____
 Taste, color, etc. _____

12/4/51
193
790
182.20
212
180.00
373
180
193

Well No.

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province:

03

Section:

D

Drainage Basin:

13N

Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (R) (K) (L) (Q) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: system series aquifer, formation, group

Lithology: U5 Origin: Aquifer Thickness: ft

Length of well open to: ft 40 Depth to top of: ft

MINOR AQUIFER: system series aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

Intervals Screened:

Depth to consolidated rock: ft Source of data:

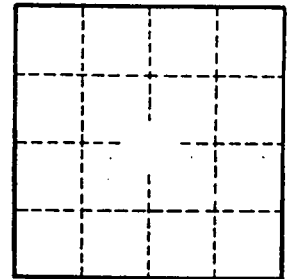
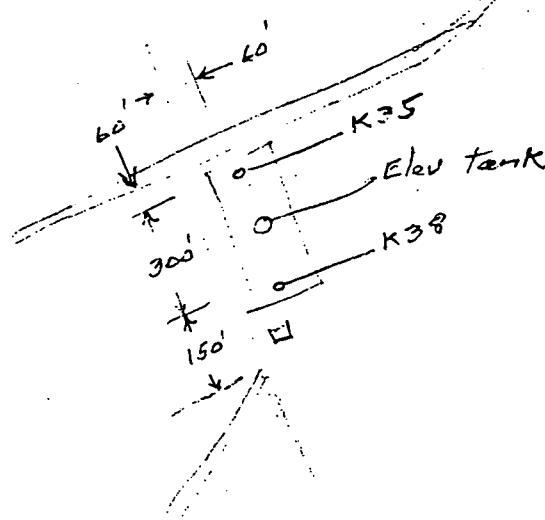
Depth to basement: ft Source of data:

Surficial material: Infiltration characteristics:

Coefficient Trans: gpd/ft Coefficient Storage:

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards:

900' - 910' > Screens N
934' - 969'



Well No.

62
12/2/73

E-Log # 62

COVINGTON

K35

4-10-73

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

CODED

4-10

1973 GRINER DRILLING SERVICE

COVINGTON

date well completed

firm name

county well located

LANDOWNER: SOUTH WEST

COVINGTON WATER ASSN.

WELL NO. 2
(mailing address)

WELL LOCATION: SW 1/4 SW 1/4 NE 1/4
sec. 33 T. 7 N. R. 15 E
S W

3-4 miles SW of Seneca
(distance) (direction) (nearest town)

WELL PURPOSE:
(home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

(1) diameter (inches) 8 5/8"

(2) total depth (feet) 968

(3) static water level (feet) 158' below
top of ground.

(4) casing B.I.P.P. 892'
(material) (depth)
8 5/8" if telescope see back.
(size)

(5) screen 40' 902' (Blank pipe)
(length) (depth to top)

6" 304 SS.
(size) (material)

(6) pump 20 200
(HP) (yield gpm)

Elect
(type power)

(7) electric log Yes
(yes or no)

MGS
(organization running log)

(8) how well bottom plugged Back
Wash Valve

| description of formations encountered | from | to |
|---------------------------------------|------|------|
| Top Soil | 0 | 3 |
| Coarse Sand + Gravel | 3 | 146 |
| Clay with thin sand streak | 146 | 389 |
| Sand | 389 | 443 |
| Clay | 443 | 613 |
| Sand | 613 | 644 |
| Clay | 644 | 648 |
| Sand | 648 | 670 |
| Clay | 670 | 784 |
| Sand | 784 | 818 |
| Clay | 818 | 872 |
| Sand | 872 | 898 |
| Clay | 898 | 902 |
| Sand | 902 | 921 |
| Clay | 921 | 932 |
| Sand | 932 | 963 |
| Clay | 963 | 1004 |

CODED

Screen Interval
(902-912 Screen
912-932 Blank pipe
932-968 Screen)

DRILLERS REMARKS:

APR 23 1973

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

RECEIVED

MAY 30 2006

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 765-0307

| | | | |
|----------------------------------|---------------------------|--------------------|-------------------------------|
| This box is for office use only. | | | |
| Issued: <u>5-22-90</u> | Expires: <u>7-25-2000</u> | Fee Paid: <u>X</u> | Permit No. |
| Lat. <u>313143</u> | Long. <u>893037</u> | Elev. <u>369</u> | USGS No. <u>K35</u> |
| Quad. <u>Williamburg</u> | ASCS Farm No. | STAC. | MSDOH No. <u>160009-02-01</u> |
| Aquifer: <u>MOCEN</u> | Tract No. | | Basin No. |
| Remarks: | | | Dam Inv. No. |

THIS APPLICATION IS FOR (Circle one): RENEWAL PERMIT NO. GW-12491

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E
SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water or Private Water 2) Irrigation
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: _____

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: SOUTHWEST COUINGTON UTILITY ASSOCIATION (Name) (SSN or Tax ID No.)
P.O. Box 160 (Address)
SEMINARY (City) MS 39479 (State & Zip) (601) 765-0307 (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):
(Name) _____ (SSN or Tax ID No.) _____
(Address) _____
(City) _____ (State & Zip) _____ (Telephone) _____

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
SW 1/4 of the NE 1/4 of Section 33, Township 07N, Range 15W, County COUINGTON
Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES (NO) If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. _____

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MIOCENE MISSISSIPPI DEPARTMENT OF HEALTH NO.: 160009-02-01 OK

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? _____, 19 72. Under whose name was well originally drilled (if known)? _____

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 964 feet. DRILLER: GRINER DRILLING SERVICE
(b) SURFACE CASING: Length 892 feet; Diameter 8 5/8 inches; Type STEEL-WELDED
(c) SCREEN: Length 40 feet; Diameter 6 inches; Type BAR-WELD
(d) PUMP: Type VERTICAL TURBINE; Size 2 LKM; Capacity 200 gallons per minute; Setting depth _____ feet
(e) POWER UNIT: Type VHS ELECTRIC MOTOR; Size 25 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 0.096 million gallons per day at a maximum rate of 200 gallons per minute
0.09 M³ @ 6/100 (CONTINUED ON BACK) 200

SECTION C (to be completed for **SURFACE WATER SOURCE**)

- Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
- Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
- _____ acre-feet per year at a maximum rate of _____ gallons per minute

SECTION D (to be completed for **SURFACE WATER IMPOUNDMENTS (DAMS)** on continuously flowing streams)

- Name of storage reservoir: _____ Dam Height: _____ feet
- Surface area at normal pool: _____ Storage capacity at normal pool: _____ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; Other (specify) _____ Acres _____
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
B. Land Condition (circle one) - Precision Land Formed Smoothed
C. ASCS Farm No. _____ Tract No. _____

- FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____

- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**
Chose "a" or "b". (a) The number of people served is _____ or (b) The number of connections is 1094
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?

| | | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| <u>1275</u> | <u>2005</u> | <u>285</u> | <u>2010</u> | <u>275</u> | <u>2015</u> | <u>305</u> | <u>2020</u> |
| (Volume) | (Year) | (Volume) | (Year) | (Volume) | (Year) | (Volume) | (Year) |

ESTIMATES ARE TOTAL FOR SYSTEM, CURRENTLY THREE WELLS

- INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year _____
Rate of release _____; NPDES Permit No. _____
Explain any changes in quality of water to be released: _____
Explain how water will be used: _____
How much groundwater will be used for once-through non-contact cooling? _____

- RECREATION:** Explain how water will be used: _____

- OTHER USE:** Explain in detail (if needed, attach another page): _____

7. **REMARKS:** NUMBER OF CONNECTIONS IS APPROXIMATE, VARIES WITH SOME SLOW GROWTH AND PROJECTED GROWTH IS BEST ESTIMATE ONLY

List below the person to be contacted for additional information if required.

Ronny C. Thompson Ronny C. Thompson
(Name)
189 Hughes Rd.
(Address)
Collins, MS 39428
(City, State, Zip)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The **TEN DOLLAR (\$10.00)** permit fee is enclosed herewith.

Ronny C. Thompson
(Signature)

601-765-0307 work
(Telephone)



Subscribed and sworn to before me this 25 day of May, 2000, at 1:30pm County of Covington

Ron F. Bullock, CC Notary Public.
Roger P. Bondice

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 7/19/96

UNIT DEQ #: 82859 FILE #: B071918B

HEALTH DEPT. #: 160009-02 ELEV. 391

USGS #: ~~K-38~~ + 38A K35 OLWR #: 12491 ~~12490~~

OWNER: Southwest Covington Water Assoc. QUAD: Williamsburg

LOCATION: SW-SW-NE S 33 T 7N R 15W COUNTY: Covington

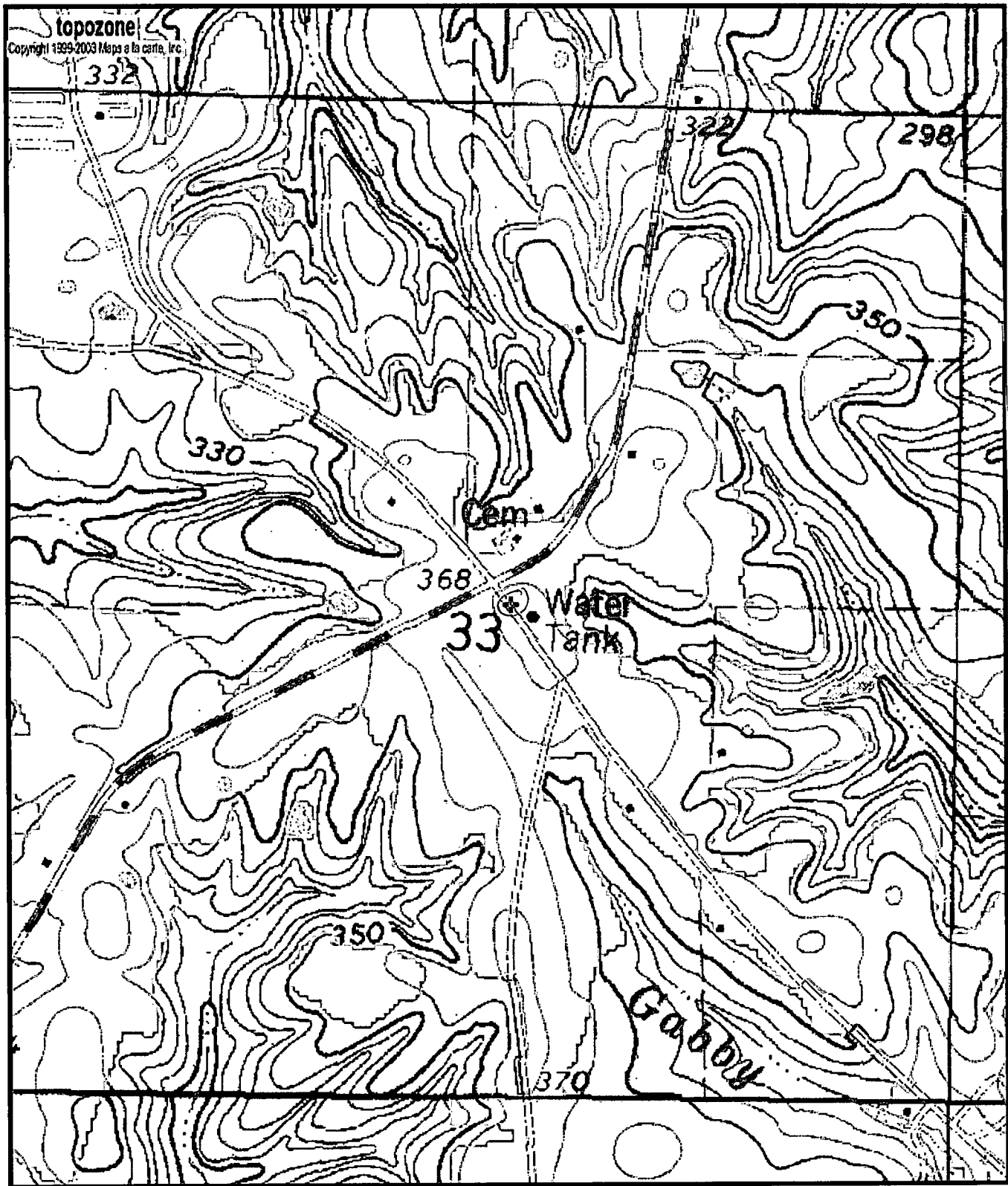
LOCATION DESCRIPTION: AT Elev. Tank at Intersection of Hwy 589
• Union Church Rd. / 2.20 mi. SW of Hwy 49 (Seminary)

CASING DIA: 8" PUMP TYPE & SIZE: 25 HP - Elec.

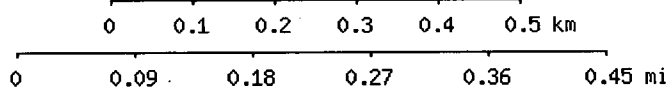
GPS FIELD LOCATION: LAT. 31° 31' 43.2" LONG. 89° 30' 36.5"

GPS CORRECTED LOCATION: LAT. 31.52872448 LONG. 89.51063971

REMARKS: GPS at Well
(Well is NW of Elev. Tank)



0160009-02
 6W12491
 K35



Map center is 31° 31' 43"N, 89° 30' 38"W (WGS84/NAD83)
Williamsburg quadrangle
 Projection is UTM Zone 16 NAD83 Datum

M
 G
 M=0.019
 G=-1.314